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204.

Lectures on the
principles of the
materia medica.

Transcribed
July 1810

from p: 54

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be prostrated, or

V= both excitab^l & excitement appears to
~~be~~ ^{first loss of malignance fever} exhausted, as in the last stage of
chronic fever, and in ^{some} all other acute
diseases. ~~of originally strong action, and~~
~~long~~ ^{stomach} There the stimulus must be
so strong as to excite ~~from~~ great pain.
~~be~~ ^{common} such as, caustics, & a red-hot
iron - a coal of fire - or boiling water.
and loud & impressive noises.
- There are cases of Atonic madness
in which violent pain protracted
into torture ^{might be} ~~has been~~ used with
advantage, as I shall say hereafter.

But there is a case in which there
is a total destruction of sensib^l & irritab^l.
This ~~occurs~~ ^{disorganization} & in consequence of it, ~~Death~~
in the part affected. This state of animal
matter is called gangrene. The remedies here
should ~~not~~ be ~~on~~ such as act upon

*
 O 3 The Calculus in the Bladder it
 has been said may be dissolved by
 the veg. alkali, and by limewater.
 - Its basis Mr. Shull has discovered
 to be an acid - ~~It~~ and those medicines
 are said to decompose the stone by
 neutralizing it. The Vit. Acid
 has lately been employed to dissolve
 the stone. It is said to attract ~~the~~
 Cal. part of ~~it~~ thus to detach the
 animal acid from it, & thus to
 prepare it for expulsion by
 decomposing it. I doubt whether
 any such mixtures, or decom-
 -positions take place in the bladder.
 Many facts make it improbable.
 Pure water best -
 Mercury is said to destroy the

✓ 5 certain substances called Demulcents
destroy acrimony in the bowels, & fauces,
and thus cure Diarrhoea, & mitigate a cough.
They are ~~brandy~~ ^{water} ~~plaster~~ ^{liquorice} & ~~malloes~~ ^{comfrey} tea - ~~Buty~~

6 Sulphur & mercury are said
to destroy the itch by mixing th w:
it. -

= The adjoining healthy parts, & by gently
stimulating them dispose them to throw
off the dead parts which are contiguous
to them. The ~~remedies~~ ^{external} ~~most proper here~~
Diphysich has lately taught are ^{are} Blisters.
~~promoting practices~~, & I have lately

~~used Tobacco~~. The internal remedies for
Gangrene is ^{wine, & opium} Bark, but there are cases

of general inflamm. action, with local
in ch. they are
gangrenous, w: ~~this~~ ^{is} improper, & in
p. 56. D.

in U.S. & purging are the proper remedies.
Stimulating Lonic medicines ~~go back to p. 53~~
~~stimulating~~ may be exhibited on

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Virus of the ven Disease by mixing
with it in the body. This is highly
probable, for we know of no exam-
-inating medicine that so speedily, or
certainly cures that disorder. 5^v

XI
~~of~~ of medicines which cure dis-
-orders ^{by} removing obstructions.
~~cases~~ ^{by} removing obstructions.

- I said formerly that obstructions
were the effects of diseases, but ^{I said likewise that} they
react by their size, or quality, and
thus reproduce diseases. They are
scattered in all parts of the body, but
chiefly in the viscera & lymphatic

glands. I have called them Disorders.
Debility - Digestion - Disorders may all exist at once
in different parts of the body. The Remedies for them are
said to be deobstruents. They are
certain tonic medicines such
as - Tonics Bark - and Steel where

applied in
4 ways. viz: 1 by the mouth - 2 by ^{external surface} of the
3 by the nose, and 4 this the ~~face~~ of the
body. The mouth is the usual & best
Channel of conveying med^s into
the body on acc^t of the widely extended
exquisite sensibility of the ~~stomach~~ Mouth
Throat & Stomach. 2 Opium, Bark &
even Absorbent are often conveyed into the
body by means of injections into the
^{they retain it long - Volatile salts}
lower bowels. 3 Spirits - Vinegar - Camph^r
& tobacco (when not habitually used)
operate powerfully on the whole
system by means of the nose, & by ~~many~~
substances as Garlic - Turpentine - Other
Aromaticum - Tobacco & ~~herbs~~.
act on the whole body thro the
medium of the ~~nose~~. I have seen of
Padua has found many substances other-
wise inert act powerfully on the
body in this way by being mixed
with Gastric Juice or saliva. The

There is an Absence of morbid Action.

The Scrophula is often cured by
those medicines. Mercury is useful

as a disobstruent. It ^{directly or indirectly} pervades every

part of the System. Exercise has

in two instances, that come under
my knowledge removed Obstinate

Shiisous tumors. The Cold Bath

has often cured Obstinate Obstructions

in the Liver - Spleen & bowels. Certain

Arsenic acts powerfully upon Obstruc-

tions of all kinds. Certain exter-

nal applications have been

used to disperse tumors on the

external parts of the body. These

are often so powerful as to disorga-
nize

best places of applying them to be found
out by experiment. The soles of the
feet perhaps to be preferred. go back to
IX. ~~1053. 6~~

We come now agreeably to our syllabus to the
Medicines which remove redundant or foreign
matters from the body, and which offend by their
Quantity & Quality.

These matters are collected in the Stomach, Bowels,
Liver, the Urinary bladder, thorax & all other
cavities & in alveolar membranes They are mu-
-cus, an acid humor, Bile, feces, worms, Water,
pus, calcareous matter & fat.

^{These Remedies}
~~They~~ proper to discharge them are 1.
Vomits. 2 purges. 3 Diuretics. 4 emmenagogues,
5 Deobstruents. 6 tonics, or 7 depleting Remedies
according to the state of the pulse, & 8 certain
Surgical Operations. X

Of Medicines which cure diseases by mixing
with, & thus destroying matters which offend by
their Quality. The Medicines which belong

the vessels; or so weak as not to
act upon them. I have lately prescrib-
ed local bleeding for the purpose
of dissipating these tumors. In this
prescription I have endeavoured to
derive the same Advantage from
V.S. - that I have often done ⁱⁿ ~~from~~
cases of Congestion or Choking of
the viscera. It does not destroy
the texture of the vessels, & it draws
the blood directly from the Arteries.

~~I was led to the use of this remedy~~
~~not only by the above analogy, but~~
~~by having heard that the~~ ^{gentle} ~~but~~
~~abstraction of blood from cancerous~~
~~tumors by applying toads to~~
~~them had been successful in~~

This class were formerly said to be very numerous,
when diseases were supposed to depend on morbid
humors. They are now very much limited.
The morbid Acid of the Stomach, may be
destroyed by magnesia & other calcareous substances,
viz: Alkalies, milk, & an animal diet. & Acid
& morbid Bile may be obtained by the plentiful use
of vegetables and succulent fruits. return to p 55 ○

✓ Obstructions in the capillary vessels such as
take place in Chronic Rheumatism without fever,
are to be removed by Stimulants such as Ardent
Spirits - Soap Liniment - Sal Cl: Sweet oil - oil of
Amber - Cayenne pepper mixed with Spirit &c. &
Bass gill & Spirit

several cases in Germany. —

Fear has in some instances cured scrophulous tumors. It must have been ~~this~~ the powerful operation of this passion ~~that~~ upon the mind, that cured the scrophula in those few cases which yielded to the royal touch: —. V

I shall conclude this head by remarking that ^{nearly all} Obstructions ~~of all~~ ~~sorts~~ are the effects of acute or chronic inflammation, and y^t where ~~is~~ ^{is going} used at the time, & in the quantity that are indicated, they ~~seldom~~ ^{are very rare occurrences.} ~~occur~~. [My patients are seldom troubled

But we know so little of their component parts in the living state of the body, and of the disfigurement they are capable of bearing from their natural composition without inducing disease, that it is difficult to say when to prescribe for them. Hitherto the improvements in the *mat. medica* expected from them have disappointed their friends, even the most sanguine of them Dr Beddoes. I admit the efficacy of such of them as act

upon the lungs as pure oxygen gas - and ~~a~~ reduced atmosphere, and of the one which acts ~~primarily~~ ^{indirectly} primarily upon the stomach & bowels - viz the carbonic acid. Perhaps the last acts upon the kidneys. — From a conviction that all great and salutary changes in the body are to be effected by medicines that act ~~for~~ chiefly upon the solids, I ^{early} withstood all the attempts that were made to lead the *material medica* by ~~with~~ the application of ~~some~~ the gases that have been named, & of all others to the cure of ~~the~~ other diseases. I considered the ~~that~~ ^{the} ~~have~~ ^{been} named. I considered the venial pathology as related to the humoral, in being equally hypothetical, and that the *mat. medica* ^{medica} founded upon it would have a similar end. — Remedio for pain.

with them.

XII. of medicines which are supposed to cure diseases, by changing the quality of the fluids, or the texture of the Solids. —

Under this head Gent. I ~~can~~ ^{can} say but little. ~~as yet~~ ^{as yet}. The gases

certainly influenced the mode of aggregation of Animal fluids and Solids. ~~Oxygen in different proportions~~

~~But~~ ^{as yet} ~~the subject is new, and I wait~~

for more facts to form a ~~theory~~ ^{theory} of their virtues ~~in medicine~~. ^{in medicine} V

upon it. ~~Vegetable Aliment cer-~~

tainly induces a speedy change in the consistency of the blood, & in the texture of the Solids in the ~~liver~~ ^{liver}.

Upon this subject it will be necessary to premise
that pain is sometimes a remedy. In this
case it is not an object of medical attention.
It is only when it is the effect of disease
or when it is so acute, as to increase
disease, and threaten death, that we should
attempt to relieve it. ^{as I have mentioned this before.} Of its fatal effects, there are
~~many~~ many proofs from
dissection. Morgagni relates several
cases of death from the pain of the
colon in which, no sign of inflam-
mation, or gangrene appeared
in the bowels. ^{I have ascribed death} ~~Take notice of this fact~~
In these cases, to morbid excitement beyond
~~shall apply it more extensively~~
the grade of inflammation.

4. ^{or venous.} ~~in the blood vessels~~
In cases of great morbid excitement the
first remedy we should use is V.S. - Head
ache and the pains which accompany
~~colic~~ rheumatism - gout & pleurisy often
subside while the blood is flowing.
2 Where the action of the blood vessels is

~~When it is the effect of violent action
in nervous & muscular parts not attended with
provided it be given in ^{very} large
much fewer. In these cases it must be given in such
doses as to wear down the morbid
dyspepsia, or waste it into
excitement into ~~a~~ ^{indiscrete} debility.~~

~~— When pain is eased in this latter
way, care should be taken that the
seat of the pain be not in a
part in which effusion will be
attended with danger, for a large
dose of Opium disposes by its
stimulus to effusion. Hence it is
given ^{the} safety in Rheumatism on
external phlegmon; ~~but it is~~ ^{It is}
given with safety in the Pannum,
for in this ~~disorder~~ ^{case}, the windpipe
conveys off the effused fluids,~~

2 The first of all ~~is~~ ^{should be} ~~the~~ ^{also} the pain of Colic, Rheuma-
-tism ^{gout &} pleurisy, have all yielded to it in
some instances ^{even} while the ~~flow~~ ^{blood} is
flowing from the Veins. ³ Fasting ^{prevents} has
the same effect. Eastwood Priestley
informed me that in travelling thro' ^{under} ~~Germany~~ ^{the head of a river} who obviated
the pain of torture by fasting 2, or
3 days. — Persons who die of famine
suffer little or no pain after 2 or 3
days — Their sufferings previous to
this, are very great. —

but is always dangerous where it
 is the effect of inflamⁿ in the
 vessels of the brain. — In this case

Cold water cures pain when it
 arises from great morbid action;

— of this there are many thousand
 witnesses in this city. The acute
 & distracting pain in the head in

the yellow fever in 1793 was uni-

versally relieved by cloathes wetted
 with cold water & applied to the

forehead. It ^{was} ~~is~~ generally useful tho'
 when irritated by way of ~~ghost~~ ^{ghost} pains of
 in former cases ~~not~~ in the ~~colic~~ ^{colic}
 the bowels which accompanied that

fever. — Cold water is further, a

powerful Anodyne in the pain of
 the piles. — ^{Its good effects are increased by a mixture with}
 It is also proper

in great arterial-muscular & nervous exi-

ment.

It has been remarked that the ^{gent} aff^{on} of warm water upon the body eases the pain of the torture, — while ~~dashing it~~ ~~on the body~~ dashing it with the gentlest force, and in a small quantity, increases that pain.

¶ Upon these ~~two~~ ^{three} last remedies I would remark that their effects are greatly disproportioned to what we might expect from them. I explain it thus. The greater the pain — the less the irritant that increases it, and the less the sedative that relieves it — in the case of the gentle abrasion of the ^{by pressure as}

U of ~~also~~ by light bandages around ~~this~~ ^{the} ~~bell~~ ^{the} around the head in head ach.

== 1 warm water mitigating the pain of torture. The rich man in the Gospel seems to have understood this fact when he asked for a drop only of cold water to cool — not his whole body — but a small part of it — viz. the tongue. It would certainly have lessened his ~~private~~ pain.

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5 ^{the} warm ~~water~~ water is an anodyne
when applied externally or internally
by way of Glyster in all cases of
moderate morbid action. The pedi-
-lucium has often given imme-
-diate relief, and even induced sleep
in cases of ^{slight} ~~moderate~~ indisposition.

It is chiefly ^{chiefly} ~~chiefly~~ ^{prepar} in nervous & muscular
phases. It should be used in original pains of such
character.

6 Certain demulcent substances,
as poultices of milk & Bread &c.

~~Must~~ oil, often allay the pain

induced on external parts of the

body by great morbid action.

Sweet oil has this effect in some in-
stances where used alone.
also sheep's skin - & milk of a cow.

7 Gentle frictions with the hand
pains.

Often relieve morbid action, when

8 By pressure. The Colic, & head Ache are often
relieved by tight ligatures round the belly,
in the former, & the head in the latter case.

10 ~~Biting & grasping hard substances all~~
~~allowing & crying, mitigate~~
~~pain in the manner formerly~~
~~mentioned.~~

14 ~~B~~ Employment. ^{General} ~~See anecdote of~~
~~Ruscoso Com. place book p 133~~
informed me that he obviated in
a great degree the pains of his
wounds in a prison in Petersburg
by employing himself in the
mechanical business of a Turner.

15 ~~B~~ Dry Cupping by exciting an action
upon the skin, often eases the pains in
the limbs. —

16 ~~B~~ As pain is often attended with great thirst, cold
water should be given to allay it. The man who
suffered from ^{thirst} ~~thirst~~ in Egypt, cried out during his ex-
-tension only for "water - water". We often observe it in
painful diseases. ^{Our Saviour drank of the brook in this}
way to his ^{thirst} ~~thirst~~ ^{to allay the} ~~thirst~~ ^{broth on by the}
^{Agony of his soul}

9 ~~of~~ Heat chases away pain when accompanied with great morbid action, ⁱⁿ ~~and~~ ^{system} whenever it be sealed.

10 Cheerful society, or the visit of a friend, when the action of is of a moderate nature. — 11. ^{the} Imitating lan-

~~guage~~. The Indians bear torture with ^{apparent} insensibility — from the anger excited by ^{the} ~~the~~ ^{the} Sulphur was often cured by insulting them. ✓

Pain when ~~so~~ produced by convulsions. The roll of stone in the muscles. It must be pressed

between the hands. It cracks in

this state of the system, but in no

other. ^{Does} ~~Is~~ the Sulphur in this case conduct off the superfluous quantity

of ^{nervous} ~~electric~~ fluid from the part of the body affected with morbid action.

— Is it in this way that it does so much more service in the joint,

✓ They seem to act only by exciting a ~~new~~ external action on the surface of the body:

~~Is~~ There any virtue in ^{we hear} animal magnetism? - ~~when there is~~

is - of pain being cured by it & even

sleep being induced by it. How does

it act? - ^{I answer to both these questions} $\frac{1}{2}$ The concentration of

the mind upon one subject is a sedative.

- we observe it in grief & counting 100

backwards - both induce sleep. - Pain

is probably ^{further} relieved in the same way

by Dr. Pichin's sharp points ~~& by animal~~

~~magnetism~~ They have no

specific virtue - ^{a comb & sharp pieces} $\frac{1}{2}$ Ivory $\frac{1}{2}$

^{of wood} have all the same effect. -

$\frac{1}{2}$

18. ~~Is~~ ^{Is} it piles than any other purge?

~~18. The late discoveries in animal Electricity have lately produced attempts to cure ~~by~~ pain by applying sharp pointed metallic substances to the part affected. [I have heard of a case of acute pain in the knee from Rheumatism, being cured by the point of a pen knife being held for some time in contact with it. Dr Perkins of Connecticut has lately ~~applied~~ ^{used} a sharp pointed piece of brass for the same purpose.~~

Does the metal in this case act by conveying off redundant or accumulated electric fluid from the body? Dies Doecat ~~It~~

4

9

(P)

the
14th
N

The last Article of our Therapeutics
containing leads us to consider the
means of attaining longevity.

This subject is not foreign to our
profession. I hint at it in my Ussuica.
There is in the body, a constant tendency to
death. Life is the effect of a success-
ful strife on the side of external
and internal stimuli against this
tendency of the system to dissolution.
It is the business of a Physician to
discover in what manner, & in what manner
to discover in what proportion, all
the stimuli of life should be applied,
so as to obtain from them the
greatest quantity & the longest

✓ It will teach further to distinguish
between health & strength.

duration of health & life. The
 whole of the knowledge we have upon
 this subject may be summed up in a
 few words. It consists in ^{"accommodating"} ~~proportioning~~
 stimuli which support life, to ex-
 citement and excitability." This simple
 proposition will lead to take into
 consideration all the variety of ages,
^{indispositions} ~~temperaments~~, occupations, and
 situations of mankind in discussing
~~the means~~ ^{a plan} for & regulating the means
 of attaining longevity. The same
 means which promote health &
 long life in some ages, ^{indispositions,} ~~temperaments,~~
 occupations, & situations, destroy it
 in others. To enumerate each of

V [By attending to this rule, you
will be relieved from a large mass
of error upon this subject. To
suppose ~~any one~~ ^{any one} ~~to go on~~ ^{to go on}
~~any one~~ ^{any one} ~~mode of life~~ ^{mode of life} ~~would~~ ^{would}
produce longevity in all habits,
is as absurd as ~~to suppose that~~
any one remedy would cure the
same diseases, under all the circum-
stances ^{or} many diseases, & the opera-
-tion of medicines, ~~is~~ ^{as} absurd as
to suppose any one mode of living
would produce longevity in all con-
-stitutions.]

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them would be to repeat to you
all the principles and facts which I have
delivered in our pathological lectures.
~~I repeat again~~ The same ^{rules} ~~direction~~ ^{ch} w:
^{are proper}
~~I have so often repeated~~ for prescribing
medicines in diseases, may be app?
for directing the means for attaining
health & longevity, - that is - let ~~all~~
the diet - ^{Drif} drinks - studies - amusements,
exercise, & labors, ~~be~~ be accommod?
to the state of the system, as varied by
age, ^{pre-disposition} ~~constitution~~, occupation, &
situation. - For a number of facts
upon Old Age, I refer you to ~~the~~
^{my Medical}
~~2nd volume of my~~ ^{my} ~~Exercises~~, and
Observation.

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Here then Gent: we finish our
 Observations upon the ^{Operation of} ~~principles~~
 Medicines, or the principles of the
^{Therapeutics} ~~materia medica~~. I cannot dismiss
 this part of our Course without
 lamenting the imperfection of all
^{our} ~~the~~ books ~~which~~ upon the Virtues
 & doses of medicine. — They are
 altogether empirical. None of them
 take notice of the different effects of
 Medicines in the different states of
 the System in the same, or in dif-
 ferent diseases. Hence the numerous
 Contradictions of Writers in enumerat-
 ing the Virtues and doses of the

Even the effects
✓ ~~The virtues~~ of opium are altogether
relative. It is said to ease pain,
but there are ^{morbid states of the system} ~~diseases~~ in which it
increases pain. It is said further
to induce sleep, but there are morbid
states of the system in which opium
induces the most obstinate wakefulness.
Similar observations might be made
~~the same~~ upon every active article of the ma-
-teria medica. The physician therefore
who prescribes for ~~the purpose of~~ ^{as described in books on} a disease,
without a reference to its stage, or to
the state of the system, resembles the

same medicine, each of whom pro-
 bably relates what is strictly true,
 but which appears to be false, from
 the circumstances which vary the
 virtues & doses of medicine not being
 taken into consideration. There are
 few medicines that can be said to be
Absolutely good for any disease. They
 are all relatively good ^{only} - i.e., they
 do good according ~~to~~ as they are accom-
 modated to the state of the system, and
 to the stage of the disease. [When I hear
 a Physician say that Bleeding & Blisters
 are ^{good} ~~good~~ in a fever - that Borax
 is ~~still~~ and the cold or warm
 Bath are ~~so~~ good in madness -

Bermudian sailor who threw shingles into the
Sea on each ~~had~~ side of his vessel in order
that he might find his way back again
from a voyage to one of the West India
Islands. The winds do not more certainly
produce instability in the Waves of the Ocean,
than an hundred circumstances vary
the state of a disease and the operation of
medicines.

that is good 72
Mercury, in the Lymphatic trachialis,
opium in a Dysentery,
and in an Inflammation of the Liver,
without specifying the exact stages
& symptoms
of those Diseases, ~~and the signs~~ ^{ch} in w:
they prescribe their medicines, I con-

sider myself as listening to the most
regular bred ~~gross~~ ^{gross} ~~unprincipled~~
~~unqualified~~ ^{unprincipled} in medicine.

Such a Physician resembles the
Burmese pilot, who throws shingles
into the sea on
~~over board on~~ each side of his vessel,
that he might find the way back
again by them from a voyage which
he had undertaken to one of the West
Indian Islands. The winds ~~do not~~ ^{do not}
more certainly ^{produce} ~~produce~~ the instability of
in the waves of the Ocean, than an
hundred as circumstances vary.

~~System~~ ~~from~~

~~If there is ever remember Gent: that~~
there is a specific relation between a medicine,
~~and a disease~~ where a due regard had not been
had to the state of the system.

There is a certain Syntax in
medicine as well as in language; and
it is ~~no~~ ^{as} necessary that a Remedy should
agree with the exact force ~~and stage~~ ^{of} symptoms
and stage of a disease, ~~th~~ in order to
cure it, as that an adjective should
agree with its substantive in gender -
remember V case in order to constitute
good grammar in the Latin Language.
turnover to

the state of a Disease, & the operation
of medicines —

As well gent: might you put
all the letters of the alphabet into a box,
and after shaking them together for
a while, expect they would come out
arranged in the order of an elegant
poem, so expect that medicines
by being jumbled ^{in the body} and shaken together
with diseases for two or three days,
or weeks should cure those diseases,

~~away - gent: with the
names of diseases. — They
are like titles in government. They be
lowth and enslave the mind. The
Condition of the system - the Condition
of the system - the Condition of the~~
I repeat it again.

V We live in a revolutionary age in
Science, as well as in Government. There
is scarcely ~~opinions~~ a thousand opinions
upon all subjects
which were believed 30 years ago have
been refuted within the last seven years.
Nor would a
~~to deliver upon~~ ~~Spitzer~~ ~~would not~~
even more against the common sense
of the public who would advertise
the Almanacs of 1769 for sale, than
a Physician ~~was~~ ~~was~~ against reason
& experience who teaches the principles
& practice of medicine which
prevailed thirty years ago.

— Here we finish our lectures on Therapeutics,
or rather a nomenclature
as I have only aimed to give you a short detail
of the ~~med~~ Remedies proper in diseases, & of the
manner of using them. ~~These~~ These lectures
have consisted chiefly of facts. ~~For~~ I have not
however hesitated to deliver you ^{such} ~~some~~ principles,

^{alone}
 System should govern all your ~~former~~
 prescriptions. —

✓ I have I completed our lectures
 upon the Institutes of medicine. I
 have kept back none of my principles
 from you. — I ~~hope~~ ^{wish} by you would
 examine them with severity. They
 have been the result of twenty & thirty
 years familiarity with diseases, and
 of upwards of twenty ^{many} years painful
 and labourious inquiries. — I ~~hold them~~
 have ~~many~~ ^{two} reasons for believing
 them to be true. They have conducted
 me to a new & successful mode of
 treating several diseases which were
 formerly ^{but seldom} cured. None of my
 new modes of practice have been

~~part of which are new. I beg Gent: you
w^d examine them with care, & either extend,
establish, or refute them according as you
find them agreeable ^{or contrary} to reason & truth.~~

~~V The numerous testimonies of
this influence in conducting to successful
practice, which I have received from
my ^{former} pupils in different parts of the
United States, and from ^{other} practitioners
of in more distant parts of the
world, ^{give} ^{to hope} satisfy me, that I have not
laboured in vain. ~~and that they are~~
~~now placed beyond the efforts of~~
~~any one to have been contradicted,~~
~~but they are not yet refuted.~~~~

the doctrines ~~principles~~
as have arisen from our previous
lectures ~~upon~~ delivered in our
Physiology & pathology.
They will all be applied more ex-
-tensively in the lectures upon the
practice of physic.

this part of our course
I shall conclude by remarking
that I have suggested no new Remedies to
you, I have only Dean Swift defines stile
in writing to consist in proper words in
their proper places! ^{Truth. Correct and rati-}
-onal practice in medicine ^{consists} in something
whichever ~~same~~ teaching ~~consists~~ is ~~analogous~~
analogous to fine writing. viz. in administering
proper medicines in their
time and forms and doses,
proper ~~these~~ ~~medicines~~ as indicated by the
state of the system. I do not think Gent.
we require any new Remedies. By ~~keep~~ a
^{perfect} knowledge of those we possess, and

inasmuch as they ^{prescribe} ~~give~~ them indis-
-criminate without any regard to all
the circumstances of pulse - age, season
climate &c which should regulate them.

by administering them in the manner ^{France}
mentioned, I believe we may cure all the
diseases ~~but~~ ^{known} ~~to~~ ^{and} that now elude ^{our}
Skill. Bonaparte has not discovered ~~a sin-~~
-gle new instrument of death, but by a
new application of the ~~old~~ ^{old}, and common
military weapons ~~and~~ ^{and} he has vanquished the most
powerful Armies, and nearly subjugated all
the nations of Europe. — The ^{physicians} ~~discoverers~~ of
new medicines, or the ^{physicians} ~~persons~~ who introduce
them into practice for particular diseases de-
-serve in many instances ^{more honour than life} ~~the~~ ^{praise}
the ~~same~~ ^{praise} ~~honour~~ ^{as} those above
physicians alone ^{are} ~~are~~ entitled to the gratitude of mankind who
discovers &
discriminate exactly the times — the forms
and the doses in which ~~those~~ ^{those} medi-
-cines are to be given, or in other words



Who administers them only under
the Direction of ~~just~~ principles. ~~in~~
~~Give~~ ~~and~~ ~~a~~ ~~physician~~ Such a physician
resembles a traveller advancing from stage
to stage thro' a highly cultivated & beautiful
country, ~~feasting his eyes upon~~ ^{well} ~~accommodated~~ ^{welcomed} at every
inn at which he stops, ~~with the prospect~~
and animated with the prospect of
being received at the end of his journey
by a numerous & happy family; while
the physician who prescribes the same
medicines without any regard to principles,
resembles a blindfolded horse in a mill,
constantly ^{in rotation} ~~revolving~~, but never advancing
a single step from the ^{beaten} ~~travelling~~ ^{circle} ~~path~~
~~the circle~~ in which he moves. Perish!



^{names}
the ~~names~~ of those physicians! perish
those books, and perish those Universities!
that thus degrade the ^{sublime & noble} Science of medicine!





